
Subject: [PATCH 06/16] net: Add a network namespace parameter to struct sock
Posted by [ebiederm](#) on Sat, 08 Sep 2007 21:21:37 GMT

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Sockets need to get a reference to their network namespace, or possibly a simple hold if someone registers on the network namespace notifier and will free the sockets when the namespace is going to be destroyed.

Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

```
include/net/inet_timewait_sock.h | 1 +
include/net/sock.h                | 3 +++
2 files changed, 4 insertions(+), 0 deletions(-)
```

```
diff --git a/include/net/inet_timewait_sock.h b/include/net/inet_timewait_sock.h
```

```
index 47d52b2..abaff05 100644
```

```
--- a/include/net/inet_timewait_sock.h
```

```
+++ b/include/net/inet_timewait_sock.h
```

```
@@ -115,6 +115,7 @@ struct inet_timewait_sock {
```

```
 #define tw_refcnt __tw_common.skc_refcnt
```

```
 #define tw_hash __tw_common.skc_hash
```

```
 #define tw_prot __tw_common.skc_prot
```

```
+#define tw_net __tw_common.skc_net
```

```
 volatile unsigned char tw_substate;
```

```
 /* 3 bits hole, try to pack */
```

```
 unsigned char tw_rcv_wscale;
```

```
diff --git a/include/net/sock.h b/include/net/sock.h
```

```
index 802c670..253df3f 100644
```

```
--- a/include/net/sock.h
```

```
+++ b/include/net/sock.h
```

```
@@ -106,6 +106,7 @@ struct proto;
```

```
 * @skc_refcnt: reference count
```

```
 * @skc_hash: hash value used with various protocol lookup tables
```

```
 * @skc_prot: protocol handlers inside a network family
```

```
+ * @skc_net: reference to the network namespace of this socket
```

```
*
```

```
 * This is the minimal network layer representation of sockets, the header
```

```
 * for struct sock and struct inet_timewait_sock.
```

```
@@ -120,6 +121,7 @@ struct sock_common {
```

```
 atomic_t skc_refcnt;
```

```
 unsigned int skc_hash;
```

```
 struct proto *skc_prot;
```

```
+ struct net *skc_net;
```

```
};
```

```
/**
```

```
@@ -196,6 +198,7 @@ struct sock {
```

```
#define sk_refcnt __sk_common.skc_refcnt
#define sk_hash __sk_common.skc_hash
#define sk_prot __sk_common.skc_prot
+#define sk_net __sk_common.skc_net
  unsigned char sk_shutdown : 2,
    sk_no_check : 2,
    sk_userlocks : 4;
--
1.5.3.rc6.17.g1911
```

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
